



Features

- 23.8" P-Cap Touchscreen
- Fanless Cooling System
- Easily accessible M.2 storage, up to 1TB
- IP66 Protected Front with Aluminum Housing
- Wide Range 9~36VDC Power Input
- Intel 8th Gen. Core i3/i5 CPU IP66 Protected

Technical Specifications

Primary Components

Processor Family	Intel Core I series 8th Generation Whiskey Lake-U
Processor Model	Core i3 8145UE
Processor Speed	Up to 3.9 GHz, 2.2 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x M.2 SATA3 2242 Slot
Storage Support	M.2: 256GB-1TB

Display

Screen Size	23.8"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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External I/O Ports

USB	4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	Included Y-Cable provides two DB-9 Com ports: 1x 5-pin RS-232 (COM1) and 1x Configurable 3-Pin RS-232/422/485 (COM2)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DisplayPort
Audio Ports	1x 3.5mm Audio Line-Out
Power Input Port	DC-in Jack (Phoenix Type)

Power

Input Voltage Range	9-36V DC
Standard Power Adapter	12Vdc, 5A, 60W US power cord

Battery

Battery Type	Optional Internal Battery
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Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
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Compatibility

Security Hardware	TPM 2.0
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Multimedia

Speakers	Optional Speaker
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Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-30°C - 70°C (-22°F – 158°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	10% – 95% Non-condensing

Enclosure

Material	Aluminum
IP Rating	IP66 Front Bezel
Color	Gray
Mounting Options	Panel Mount, VESA 100 Mount

Peripherals & Wireless Connectivity

WiFi	Optional Wi-Fi 5
Bluetooth	Optional Bluetooth 4.0

Weight / Dimensions

Weight	14.8 kg (32.6 lbs)
Dimensions	640 x 65.1 x 395 mm (25.2 x 2.6 x 15.6 in)

Certification

Certifications

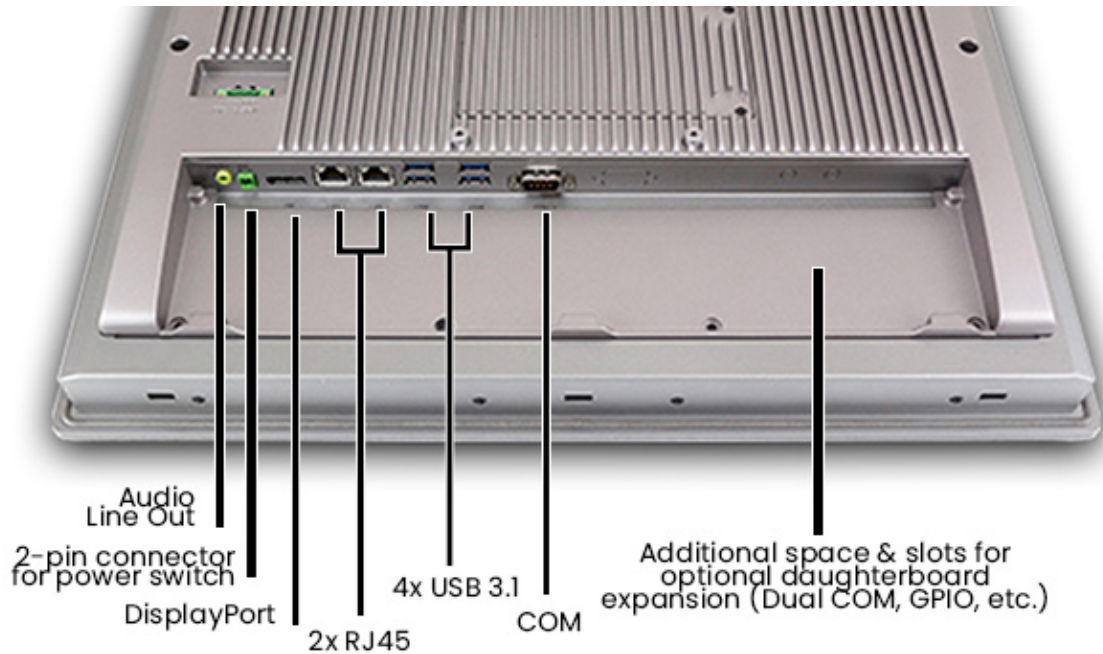
CE, FCC Class A, IEC 62368

Warranty

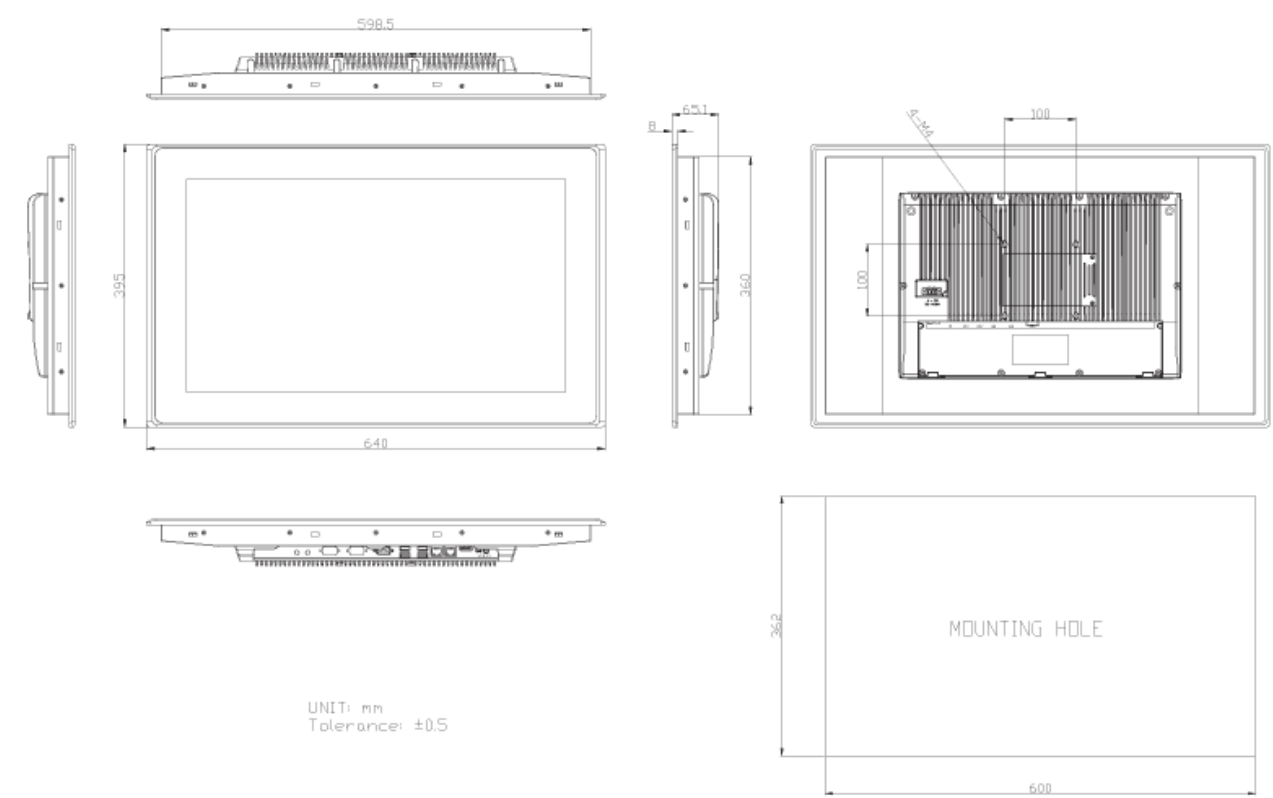
Warranty

Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.